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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07917-103001	Application No. 09/894,734
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Leonard et al.	
		Filing Date June 28, 2001	Group Art Unit ~~1626~~ 1646

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
EK	AQ	Auf'mkolk et al., "Antihormonal Effects of Plant Extracts: Iodothyronine Deiodinase of Rat Liver is Inhibited by Extracts and Secondary Metabolites of Plants," *Hormone Metab. Res.* 16:188-192 (1984)
|	AR	Auf'mkolk et al., "Crystal Structure of Phlorizin and the Iodothyronine Deiodinase Inhibitory Activity of Phloretin Analogues," *Biochem. Pharmacol.* 35:2221-2227 (1986)
↓	AS	Auf'mkolk et al., "Inhibition of Rat Liver Iodothyronine deiodinase," *J. Biol. Chem.* 261:11623-11630 (1986)

Examiner Signature	Date Considered
E. Kennnen	12/4/03

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EW	AT	Chassande et al., "Identification of transcripts initiated from an internal promoter in the c-erbA alpha locus that encode inhibitors of retinoic acid receptor-alpha and triiodothyonine receptor activities," *Mol. Endocrinol.* 11:1278-1290 (1997)
	AU	Cody et al., "Structure-Activity Relationships of Flavonoid Deiodinase Inhibitors and Enzyme Active-Site Models," *Prog. Clin. Biol. Res.* 213:373-382 (1986)
	AV	Farwell et al., "Identification of a 27-kDa Protein with the Properties of Type II Iodothyronine 5' – Deiodinase in Dibutyryl Cyclic AMP-simulated Glial Cells," *J. Biol. Chem.* 264:20561-20567 (1989)
	AW	Farwell et al., "The actin cytoskeleton mediates the hormonally regulated translocation of type II iodothyronine 5'-deiodinase in astrocytes," *J. Biol. Chem.* 265:18546-18553 (1990)
	AX	Farwell et al., "Dissociation of Actin Polymerization and Enzyme Inactivation in the Hormonal Regulation of Type II Iodothyronine 5'-Deiodinase Activity in Astrocytes," *Endocrinol.* 131:721-728 (1992)
	AY	Farwell et al., "Thyroxine targets different pathyways of internalization of type II iodothyronine 5'deiodinase in astrocytes," *J. Biol. Chem.* 268:5055-5062 (1993)
	AZ	Farwell et al., "Degradation and recycling of the substrate binding subunit of type II iodothyronine 5'-deiodinase in astrocytes," *J. Biol. Chem.* 271:16369-16374 (1996)
	AAA	Fraichard et al., The T3Rα gene encoding a thyroid hormone receptor is essential for post-natal development and thyroid hormone production," *The EMBO Journal* 16:4412-4420 (1997)
	ABB	Gauthier et al., "Different functions for the thyroid hormone receptors TRα and TRβ in the control of thyroid hormone production and post-natal development," *The EMBO Journal* 18:623-631 (1999)
	ACC	Göthe et al., "Mice devoid of all known thyroid hormone receptors are viable but exhibit disorders of the pituitary-thyroid axis, growth, and bone maturation," *Genes & Development* 13:1329-1341 (1999)
	ADD	Horowitz et al., "Characterization of the domain struction of chick c-erbA by deletion mutation: *in vitro* translation and cell transfection studies," *Mol. Endocrinol.* 3:148-156 (1989)
	AEE	Koehrle et al., "Rat Liver Iodothyronine Monodeiodinase," *J. Biol. Chem.* 261:11613-11622 (1986)
	AFF	Koehrle et al., "Iodothyronine Deidonase is Inhibited by Plant Flavonoids," *Prog. Clin. Biol. Res.* 213:359-371 (1986)
	AGG	Kolodny et al., "Studies of nuclear 3,5,3'-triiodothyronine binding in primary cultures of rat brain," *Endocrinology* 117:1848-1857 (1985)
	AHH	Leonard et al., "Thyroxine 5'-Deiodinase Activity of Rat Kidney: Observations on Activation by Thiols and Inhibition by Propylthiouracil," *Endocrinol.* 103:2137-2144 (1978)
	AII	Leonard et al., "Iodothyronine 5'-Deiodinase from Rat Kidney: Substrate Specificity and the 5'-Deiodination of Reverse Triiodothyronine," *Endocrinol.* 107:1376-1383 (1980)
	AJJ	Leonard et al., "Cerebral cortex responds rapidly to thyroid hormones, *Science* 214:571-573 (1981)
	AKK	Leonard, "Dibutryl cAMP induction of type II 5'deiodinase activity in rat brain astrocytes in culture," *Biochemical and Biophysical Research Communications* 151:1164-1172 (1988)
	ALL	Leonard et al., "Regulation of type II iodothyronine 5'-deiodinase by thyroid hormone. Inhibition of actin polymerization blocks enzyme inactivation in cAMP-stimulated glial cells," *Journal of Biological Chemistry* 265:940-946 (1990)

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EEK	AMM	Leonard et al., "Hormonal regulation of type II iodothyronine deiodinase in the brain," *Thyroid Hormone Metabolism: Molecular Biology and Alternate Pathways* (War & Visser eds.) CRC Press pages 23-44 (1994)
	ANN	Rabie et al., "Analysis of the mechanisms underlying increased histogenetic cell death in developing cerebellum of the hypothyroid rat: determination of the time required for granule cell death," *Brain Res.* 190:409-414 (1980)
	AOO	Safran et al., "Structural requirements of iodothyronines for the rapid inactivation and internalization of type II iodothyronine 5'-deiodinase in glial cells," *Journal of Biological Chemistry* 268:14224-14229 (1993)
	APP	Silva et al., "Regulation of Rat Cerebrocortical and Adenohypophyseal Type II 5'-Deiodinase by Thyroxine, Triiodothyronine, and Reverse Triiodothyronine," *Endocrinol.* 116:1627-1635 (1985)
	AQQ	Visser et al., "Different pathways of iodothyronine 5'-deiodination in rat cerebral cortex," *Biochem. Biophys. Res. Comm.* 101:1297-1304 (1981)
	ARR	Visser et al., "Kinetic evidence suggesting two mechanisms for iodothyronine 5'-deiodination in rat cerebral cortex," *Proc. Nat. Acad. Sci. USA* 79:5080-5084 (1982)
	ASS	Wikström et al., "Abnormal heart rate and body temperature in mice lacking thyroid hormone receptor α1," *The EMBO Journal* 17:455-461 (1998)
W	ATT	Xiao et al., "Apoptosis in the developing cerebellum of the thyroid hormone deficient rat," *Front. Biosci.* 3:a52-57 (1998)
	AUU	

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